

ABSTRACT OF THE DISCLOSURE

A pressure control valve with a hydraulic
5 system of an automatic transmission for a motor vehicle
includes a valve body defining a control chamber, fluid
ports communicating with the control chamber, and a valve
spool having spaced pressure control lands located in the
control chamber, the valve spool urged by a compression
10 spring in an opposite direction from an electromagnetic
force developed on the spool when a solenoid is
energized. In one embodiment a control land is formed
with a pressure feedback orifice that communicates a
control port with a feedback chamber. The valve spool
15 can be formed with different sized control lands. The
feedback orifice is substantially insensitive to fluid
temperature variation.